

Converting Colors

CIELCh(37, 62.515, 290.597)

Have a look what the booklet for
CIELCh(37, 62.515, 290.597)
contains.

CIELCh(37, 62.676, 290.611)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 62.676, 290.611)

Conversions

Conversions Part 1

Format	Color
Hex	1C51B7
RGB	28, 81, 183
RGB Percent	11%, 32%, 72%
CMY	0.8907, 0.6826, 0.2826
CMYK	0.85, 0.56, 0.00, 0.28
HSL	219°, 74%, 41%
HSV	219°, 85%, 72%
XYZ	11.9540, 9.5379, 45.9750
YIQ	76.7810, -64.3300, 20.4860

Conversions

Conversions Part 2

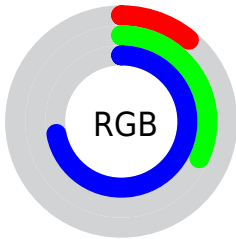
Format	Color
R_{YB}	28, 67, 183
Decimal	1855927
CIE _{Lab}	37.00, 22.06, -58.66
CIE _{LCh}	37, 62.676, 290.611
Yxy	9.5379, 0.1772, 0.1414
Android (android.graphics.Color)	4280046007 (0xFF1C51B7)
YUV	76.7810, 52.3660, -42.7809
Hunter-Lab	30.8835, 15.0451, -66.6441

Details

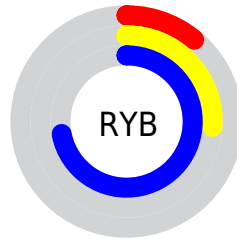
The CIELCh color **37, 62.676, 290.611** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **58, 59.027, 78.247**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 62.584, 290.414**, and **20, 60.674, 297.567** is the 20% darker color. If you saturate the color by 10%, you get **33, 70.819, 294.278**, and if you desaturate by 10%, it is **41, 54.659, 287.038**.

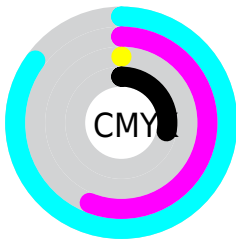
Distribution



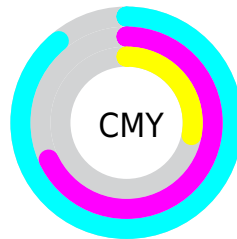
- Red (11%)
- Green (32%)
- Blue (72%)



- Red (11%)
- Yellow (26%)
- Blue (72%)



- Cyan (85%)
- Magenta (56%)
- Yellow (0%)
- Black (28%)





- Cyan (89%)
- Magenta (68%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 62.676, 290.611 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 37, 62.676, 290.611 by changing the saturation by 10% instead.


 37, 62.676,
290.611


 37, 62.676,
290.611

 100, 62.676,
290.611


 27, 62.676,
290.611

 57, 62.676,
290.611


 17, 62.676,
290.611


 67, 62.676,
290.611

 7, 62.676, 290.611

 77, 62.676,
290.611

 0, 62.676, 290.611

 87, 62.676,
290.611

 97, 62.676,
290.611

■ 37, 62.676,
290.611

■ 37, 62.676,
290.611

■ 33, 70.819,
294.278

■ 41, 54.659,
287.038

■ 32, 75.086,
296.069

■ 45, 46.850,
283.725

■ 49, 39.245,
280.764

■ 54, 31.810,
278.179

■ 58, 24.513,
275.952

■ 63, 17.334,
274.047

■ 68, 10.261,
272.424

■ 72, 3.291, 271.071

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37, 62.676, 290.611



58, 59.027, 78.247

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37, 62.676, 290.611



37, 62.676, 340.611



37, 62.676, 110.611



37, 62.676, 160.611

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37, 62.676, 290.612



80, 21.621, 274.163



66, 53.502, 161.363



41, 14.909, 274.803



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37, 62.676, 290.612



41, 92.810, 296.684



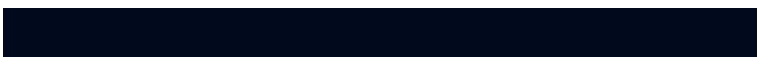
27, 93.610, 305.989



36, 3.936, 271.651



27, 65.733, 295.593



3, 11.728, 277.306

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40, 62.130, 9.753



50, 81.857, 18.184



70, 72.311, 111.333



36, 4.417, 353.907



32, 59.369, 16.394



2, 11.369, 359.499

Previews

White Background



This preview shows how the CIELCh color 37, 62.676, 290.611 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 62.676, 290.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 62.676, 290.611

Background



This preview shows how black text looks on a background with the CIELCh color 37, 62.676, 290.611.



This preview shows how white text looks on a background with the CIELCh color 37, 62.676, 290.611.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37, 62.676, 290.611

Protanopia

37, 58.212, 286.826

Deuteranopia

37, 41.252, 274.007



Tritanopia
37, 23.770, 205.697

Trichromacy



Original Color
37, 62.676, 290.611

Protanomaly
37, 59.923, 288.222

Deuteranomaly
37, 48.883, 281.686

Tritanomaly
36, 29.372, 256.586

Monochromacy



Original Color
37, 62.676, 290.611

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 24.400, 279.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 62.676, 290.611 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(28, 81, 183)` looks like.

```
.text, #text, p{  
    color:rgb(28, 81, 183)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(28, 81, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 81, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 62.676, 290.611 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(28, 81, 183) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(28, 81, 183) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(28, 81, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 81, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 81, 183);  
box-shadow:4px 4px 4px 4px rgb(28, 81,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 62.676, 290.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 81, 183) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(28, 81,  
183) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor